

# 2006 Piper Mirage PA46

## SPECIFICATIONS

Engine make/model:	Lycoming TIO-540-AE2A
Horsepower @ altitude:	350@SL to 18,000 ft.
Horsepower on takeoff:	350
TBO hrs.:	2000
Fuel type:	100/100LL
Propeller type:	Hartzell three-blade CS
Landing gear type:	Tri./Retr.
Max ramp weight (lbs.):	4358
Gross weight (lbs.):	4340
Landing weight (lbs.):	4123
Empty weight, std. (lbs.):	3121
Useful load, std. (lbs.):	1237
Payload, full std. fuel (lbs.):	517
Useful fuel (gals.):	120
Oil capacity (qts.):	12
Wingspan:	43 ft.
Overall length:	28 ft. 10 in.
Height:	11 ft. 4 in.
Wing area (sq. ft.):	175
Wing loading (lbs./sq. ft.):	24.8
Power loading (lbs./hp.):	12.4
Wheel size (in.):	6.00 x 6
Seating capacity:	6
Cabin doors:	1

Cabin width (in.):	50
Cabin height (in.):	45

### PERFORMANCE

Cruise speed (kts.):	
75% power:	213
65% power:	205*
Fuel consumption (gph):	
75% power:	20
65% power:	18
V <sub>so</sub> (kts.):	58
Max operating altitude (ft.):	25,000
Best rate of climb (SL fpm):	1220
Takeoff ground roll (ft.):	1090
Takeoff over 50-ft. obstacle (ft.):	2090
Landing ground roll (ft.):	1065
Landing over 50-ft. obstacle (ft.):	1965

\*estimated

Source: *Jane's All The World's Aircraft*;  
<http://www.planeandpilotmag.com/article/2006-piper-mirage-pa46/#.Wim1KFNryiM>